

Name _____ Hour _____

8th Grade Math: What Do You Remember??

If possible, combine like terms to simplify each expression.

1) $32x + 12 - 5$

2) $16w + 3 - 2w + 8$

3) $m^2 + 14m - 5m^2 - 6m$

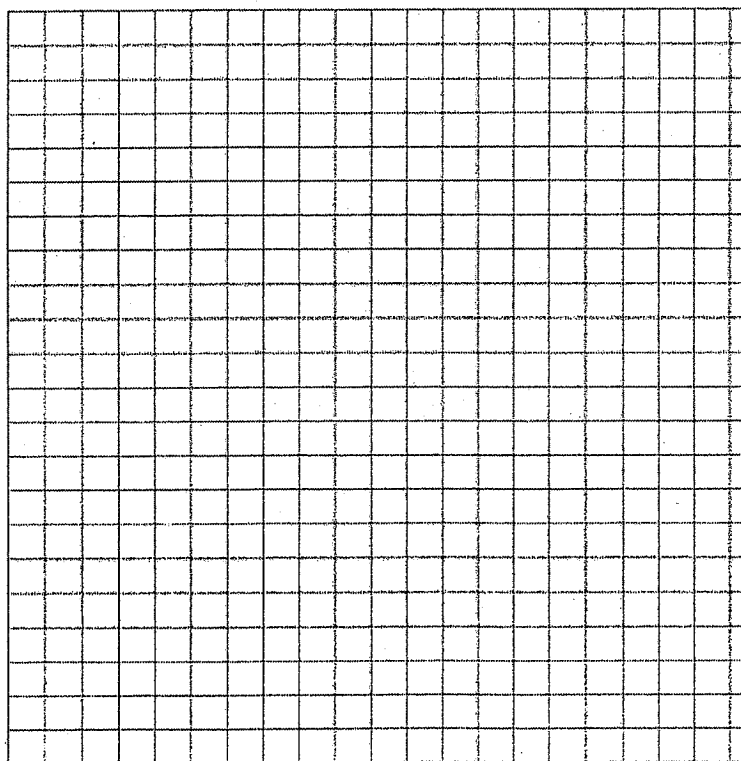
4) $25c - 25c$

5) $32k - 48k^2 + 2$

6) $8u - 3w + 23uw - 15u$

7) The cost of private high school in Wisconsin from 1985 to 1994 is shown in the table below. Make a Scatter Plot of the data, putting year on the horizontal axis.

Year	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Cost in Dollars	\$1386	\$1536	\$1651	\$1726	\$1846	\$2035	\$2159	\$2410	\$2610	\$2784



8) If there is a linear pattern, draw a line of best fit.

9) Make a prediction of what the cost might have been in 1996. *Make sure to show how your prediction was made on your graph!*

Use an equation or a proportion to solve. If necessary, round answers to the nearest hundredth.

10) What is 80% of 132?

11) 30 is what percent of 125?

12) 7.2 is 12% of what number?

13) 17% of what number is 34?

Find the percent of change for each. Round percents to the nearest hundredths.

14) regular price: \$65
sale price: \$48

15) previous weight: 307 pounds
current weight: 192 pounds

16) Find the sale price of a personal tablet that is regularly priced at \$375 but is on sale 35% off.